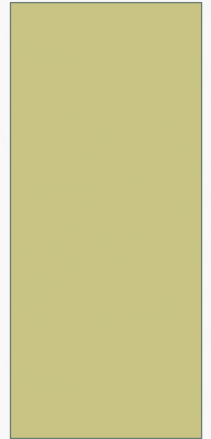


# **DAM SAFETY PRESENTATION TO DAMS CA CLASS**

DECEMBER 2012



# BLM DAM SAFETY PROGRAM AGENDA

- Program Overview
- National Roles
- Budget
- Dam Safety Conference
- DOI Reduce Dam Safety Risk
- Recent Activities
- NOC Support



# BLM DAM SAFETY PROGRAM OVERVIEW

- 8 High Hazard Dams
    - 5 in Montana
    - 2 in Oregon
    - 1 in Wyoming
  - 1 Significant Hazard Dam
    - New Mexico
  - 685 Low Hazard Dams\*
- \*Reported in Biennial Progress Report to FEMA



# BLM DAM SAFETY PROGRAM OVERVIEW

- BLM's Dam Safety Program follows and conforms with:
  - Federal Guidelines for Dam Safety
  - FEMA 64 - Emergency Action Planning for Dam Owners
  - FEMA 333 - Hazard Potential Classification System for Dams
  - Department of the Interior Manual 753 (DM 753)
  - BLM Manual 9177 – Maintenance and Safety of Dams



# BLM DAM SAFETY PROGRAM OVERVIEW

- Bureau of Reclamation is the Department of the Interior (DOI) lead for Dam Safety
- Other DOI agencies that have Dam Safety Programs:
  - Bureau of Indian Affairs (BIA)
  - Bureau of Reclamation (USBR)
  - U. S. Fish and Wildlife Service (FWS)
  - National Park Service (NPS)
  - Office of Surface Mining (OSM)
- The above agencies including BLM make up the Working Group on Dam Safety and Security (WGDSS)



# BLM DAM SAFETY PROGRAM

## NATIONAL ROLES

- BLM Dam Safety Officer, Policy (Washington Office)
  - Develops bureau-wide policies and guidelines for the maintenance and safety of dams
  - Ensures condition assessments, technical inspections, and safety evaluations are conducted
  - Budgeting and funding of Dam Safety program activities
  - Provides oversight of the development of criteria and procedures for the evaluation, condition assessment, and maintenance of dams
- BLM Dam Safety Officer, Operations (National Operations Center)
  - Maintains Bureau-wide policies and guidelines for the maintenance and safety of dams
  - Compiles, maintains, and monitors the BLM's inventory of dams
  - Provides technical assistance for the maintenance and safety of dams
  - Coordinates the design reviews of all new hazard classified dams



# BLM DAM SAFETY PROGRAM BUDGET

- FY 2013 Dam Condition Assessment Funding
- FY 2013 Dam Projects in the Five Year Plan Deferred Maintenance Plan
  - MT – Buffalo Wallow Dam – \$491K
  - MT – Itcaina Detention Dam Phase II Reconstruction – \$398K
  - MT – Judy Detention Dam Design Phase I Survey and Design – \$51K
- Funding requested by State Engineers during Planning Target Allocation (PTA) Budget process in spring and during Five Year Planning process

STATE	CA FUNDING
AK	\$0
AZ	\$33,000
CA	\$4,800
CO	\$14,400
ID	\$6,600
MT	\$139,200
NM	\$36,600
NV	\$16,800
OR	\$26,400
UT	\$4,200
WY	\$66,000
<b>TOTAL</b>	<b>\$348,000</b>



# BLM DAM SAFETY PROGRAM

## 2013 CONFERENCE

### Department of the Interior Dam Safety Coordinators Conference

- Salt Lake City, UT
- Theme – “Evaluation and Modification Techniques”
- Includes presentations and a field trip to a local dam
- Benefits
  - Networking with colleagues from sister agencies
  - Professional Development
  - Hands on experience





# BLM DAM SAFETY PROGRAM

## REDUCE DAM SAFETY RISK

Reduce Dam Safety Risk (RDSR) is a business process within the DOI Water Resource Management framework. The goal of the RDSR project is to reduce dam risks and to improve the efficiency of the bureau dam safety programs.

The participating bureaus are:

BIA, BLM, USBR, FWS, NPS, and OSM

### Phase II Sub Projects

Risk Management Guidelines

Monitoring and Low Hazard Dam Guidelines

OSM DM 753 Dam Safety Policy

RDSR Information Technology Strategy

Handbook and SharePoint

Emergency Action Planning

Professional Dam Safety Training

Dam Safety Program Management



# BLM DAM SAFETY PROGRAM

## REDUCE DAM SAFETY RISK

- Phase II is completing and Phase III is being developed.
- Participation on a Phase III Subproject Team is encouraged. BLM talent and perspective is needed as the future of DOI Dam Safety is shaped.



# BLM DAM SAFETY PROGRAM

## REDUCE DAM SAFETY RISK

Thank you to the following engineers for their participation and contribution to the future of DOI and BLM Dam Safety:

- Todd Curtis, OR - Risk Management Team
- Dan Staton, NOC - Monitoring and Low Hazard Dam Guidelines Team
- Marjorie Chiles, WO - Handbook and SharePoint Team
- Jesus Gallegos, NM -Professional Dam Safety Training Team
- Paul Peterson, NOC - Dam Safety Program Management Team
- Dana Cork, OR - Emergency Action Planning Team



# BLM DAM SAFETY PROGRAM

## RECENT ACTIVITIES

- Office of the Inspector General Evaluation
  - Examined BLM's Dam Safety Program as it relates to Emergency Preparedness - 8 high hazard dams and Emergency Action Plans
  - Evaluation also included NPS and OSM
  - 6 recommendations – ways to improve exercises, review of EAPs, reporting and follow up



# BLM DAM SAFETY PROGRAM

## RECENT ACTIVITIES

- Update of Permitted Dam inventory
  - IM 2012-099 responses due and received August 24, 2012
  - IM was sent to All Field Offices requesting an update of permitted dam inventory
  - NOC Branch of Engineering is consolidating data received from states
  - NOC has developed a SharePoint site to store an inventory of permitted dams on BLM lands.



# BLM DAM SAFETY PROGRAM

## RECENT ACTIVITIES

- National Inventory of Dams (NID) Inventory Update – 2012
  - Submitted to US Army Corps of Engineers (USACE) on September 13, 2012
  - FAMS reports 672 Hazard ranked dams
  - After state verification, BLM reported 544 dams in the NID submittal
    - 8 High Hazard Dams
    - 2 Significant Hazard Dams
    - 534 Low Hazard Dams
- NID dams are at least one of the following:
  - High hazard
  - Significant hazard
  - Equal or exceed 25 feet in height and exceed 15 acre-feet in storage
  - Equal or exceed 50 acre-feet storage and exceed 6 feet in height.



# BLM DAM SAFETY PROGRAM

## NOC SUPPORT

- Condition Assessments
- Hazard Classification Studies
- Dam Breach Analysis
- Design
- Coordination with USBR
- EAP Development



# BLM DAM SAFETY PROGRAM

## POINTS OF CONTACT

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Operations Center  
303-236-0162

Please contact us with any questions.

